

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/803,540	LYS ET AL.	
	Examiner Tung X. Le	Art Unit 2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to amendment received on 10/20/2006.
2.  The allowed claim(s) is/are 1,3 and 5-74.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All
  - b)  Some\*
  - c)  None
  1.  Certified copies of the priority documents have been received.
  2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_.
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

TUYET VO

PRIMARY EXAMINER

## DETAILED ACTION

1. This is a response to the amendment received on October 20, 2006. In virtue of the amendment, claims 2 and 4 are now cancelled. Thus, claims 1, 3, 5-74 are currently presented in the instant application.

### ***Allowable Subject Matter***

2. Claims 1, 3, 5-74 are allowed.

3. The following is an examiner's statement of reasons for allowance:

Prior art of record fails to disclose or fairly suggest the following limitations:

- A color changing panel light, comprising the group of LEDs is arranged in a plurality of modules, each module including at least one LED adapted to output at least first radiation having a first spectrum and second radiation having a second spectrum different than the first spectrum; the at least one controller includes a plurality of processors; and each module of the plurality of modules includes at least one processor of the plurality of processors, the at least one processor configured to independently control at least a first intensity of the first radiation and a second intensity of second radiation generated by the one module with which the at least one processor is associated, in combination with the remaining claimed limitations as claimed in claim 1 (claims 3 and 5-12 are allowed for depending on claim 1).
- A geometric panel apparatus comprising at least one geometric panel disposed with respect to the plurality of LEDs so as to at least partially diffuse the first radiation and the second radiation to provide a mixed spectrum when both the

first radiation and the second radiation are generated; and at least one controller coupled to the plurality of LEDs and configured to independently control at least a first intensity of the first radiation and a second intensity of the second radiation at a plurality of graduated intensities from a minimum intensity to a maximum intensity, in combination with the remaining claimed limitations as claimed in claim 13 (claims 14-60 are allowed for depending on claim 13).

- A method of generating at least one variable color visible effect over at least a two dimensional observation area comprising acts of at least partially diffusing the first radiation and the second radiation to provide a mixed spectrum, when both the first radiation and the second radiation are generated, via at least one geometric panel disposed with respect to the plurality of LEDs so as to receive the first radiation and the second radiation; and independently controlling at least a first intensity of the first radiation and a second intensity of the second radiation at a plurality of graduated intensities from a minimum intensity to a maximum intensity, in combination with the remaining claimed limitations as claimed in claim 61 (claims 62-74 are allowed for depending on claim 61).

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Callahan et al. (U.S. 5,455,490) discloses a power and signal distribution in lighting systems.

Kazar (U.S. 5,008,595) discloses an ornamental light display apparatus.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tung X. Le whose telephone number is 571-272-6010. The examiner can normally be reached on 8:30 AM - 5:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tim Callahan can be reached on 571-272-1740. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Examiner: Tung Le  
AU 2821



TUYET VO  
PRIMARY EXAMINER